

# Clean Technology Framework

## Supply Side

- ✓ Development of clean technologies
- ✓ Employment in clean tech & support industries

## Clean Technology

Market-driven innovations that:

- ✓ Utilize renewable resources
- ✓ Manage energy resources more efficiently
- ✓ Reduce environmental impacts

## Demand Side

- ✓ Adoption of clean technologies
- ✓ Purchase of clean technology products

# Government has Ability to Catalyze Growth of 'Clean Tech' Sector

## Supply Side

### **Existing Incentives:**

- ✓ Environmental Incubator
- ✓ Emerging Technologies Fund
- ✓ Electronic Transportation Development Center
- ✓ Enterprise Zone, STI, Catalyst Fund
- ✓ Workforce Re-training, ETP

### **Potential Incentives:**

- ✓ Financial Support/Facilitation
- ✓ Regulations/Requirements
- ✓ Local Firm Preferences
- ✓ Tax Credits (Investors/Producers/Distributors) (S&F)
- ✓ Technology Subsidies (S&F)

## Demand Side

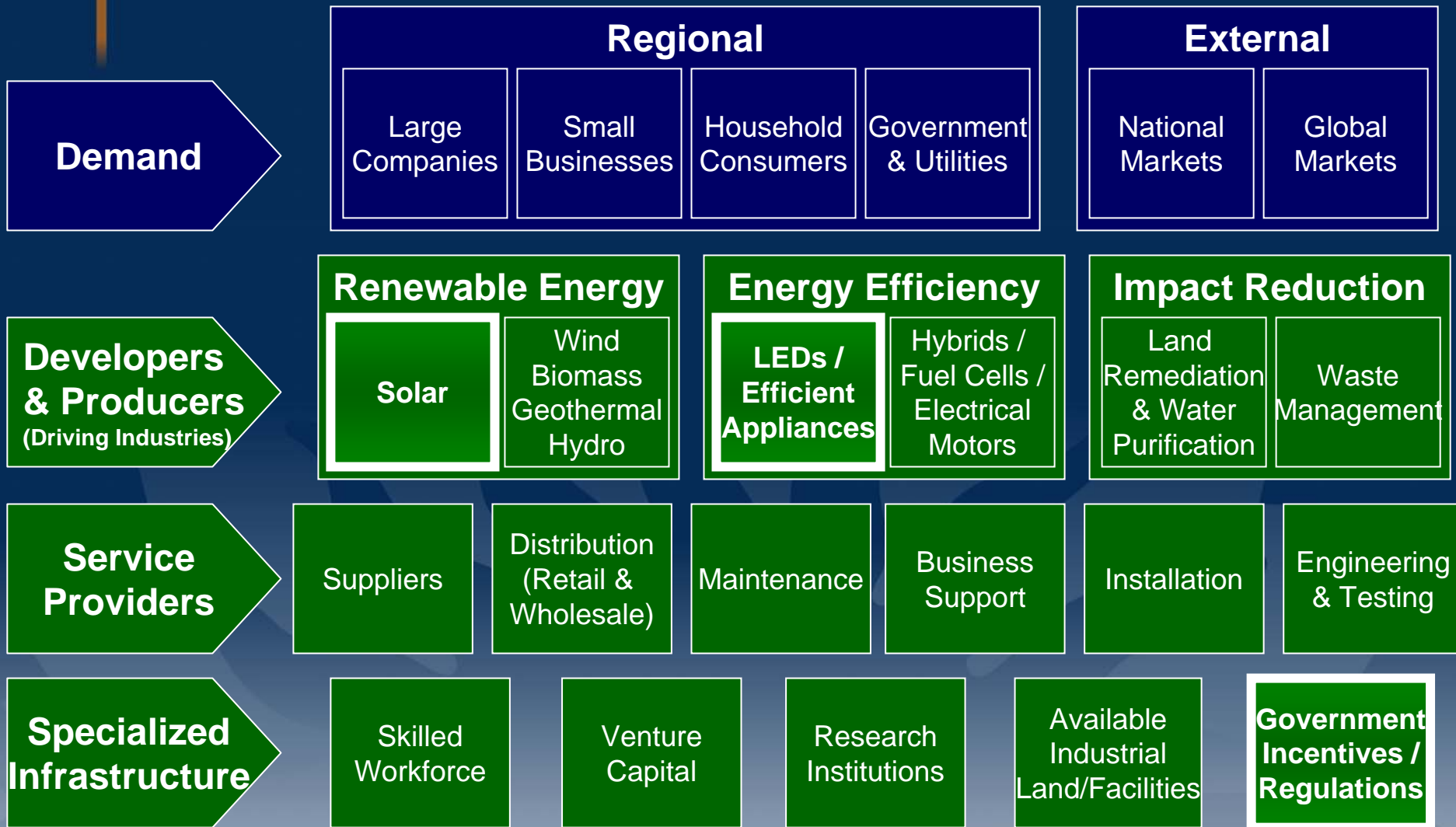
### **Existing Incentives:**

- ✓ City Solar Incentives
- ✓ PG&E Efficiency Program
- ✓ Green Building Program (including Civic Buildings)
- ✓ Environmentally Preferable Procurement
- ✓ Water Efficient Technologies Incentives

### **Potential Incentives:**

- ✓ Regulations/Requirements
- ✓ 'Clean Tech' Procurement Preferences
- ✓ Education Campaigns
- ✓ Tax Credits (Users) (S&F)

# Elements of 'Clean Tech' Cluster



# Existing San Jose 'Clean Tech' Firms (production & installation)

## Solar

- Nanosolar
- SunPower Corporation
- Bright Solar
- Hutching Construction
- Malone Controls Corporation
- Ongrid Solar
- Energy Systems
- Fat Spaniel Technologies
- InterPhases Research\*
- Davis Energy Group\*
- NuEdison\*
- SVV Technology Innovations, Inc.\*

## Energy Efficiency

- Philips Lumileds
- OSRAM Opto Semiconductors
- Synergy E. V., Inc.\*
- AFS Trinity Power Corporation\*
- One-Cycle Control\*

## Other Renewable Energy Sources

### Biofuel/Biodiesel

- Parathon Energy\*
- Silicon Valley Biodiesel\*

### Hydropower/Purification

- IncAquaEss
- Digital Sun, Inc.\*
- Ekster and Associates\*

### Wind

- Selsam Innovations\*
- Wind Tower Systems\*

### Geothermal

- ThermoChem Inc.\*

\*Current participants in Environmental Business Cluster

# *Going Forward*

- Identify/reduce barriers to integrating 'clean tech' into government facilities and the private sector
- Refine incentives to increase supply of and demand for 'clean tech' firms/products
- Develop strategies to leverage existing assets to catalyze 'clean tech' growth
- Explore opportunities for City & partners to showcase 'clean tech' innovations
- Investigate strategies adopted by other communities